```
Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1          Web Page for STN Seminar Schedule - N. America
 NEWS  2  AUG 15  CAOLD to be discontinued on December 31, 2008
 NEWS  3  OCT 07  EPFULL enhanced with full implementation of EPC2000
 NEWS  4  OCT 07  Multiple databases enhanced for more flexible patent
                  number searching
 NEWS  5  OCT 22  Current-awareness alert (SDI) setup and editing
                  enhanced
 NEWS  6  OCT 22  WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
                  Applications
 NEWS  7  OCT 24  CHEMLIST enhanced with intermediate list of
                  pre-registered REACH substances
 NEWS  8  NOV 21  CAS patent coverage to include exemplified prophetic
                  substances identified in English-, French-, German-,
                  and Japanese-language basic patents from 2004-present
 NEWS  9  NOV 26  MARPAT enhanced with FSORT command
 NEWS 10  NOV 26  MEDLINE year-end processing temporarily halts
                  availability of new fully-indexed citations
 NEWS 11  NOV 26  CHEMSAFE now available on STN Easy
 NEWS 12  NOV 26  Two new SET commands increase convenience of STN
                  searching
 NEWS 13  DEC 01  ChemPort single article sales feature unavailable
 NEWS 14  DEC 12  GBFULL now offers single source for full-text
                  coverage of complete UK patent families
 NEWS 15  DEC 17  Fifty-one pharmaceutical ingredients added to PS

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS LOGIN    Welcome Banner and News Items
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

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  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
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* * * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:14:38 ON 30 DEC 2008

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.42       0.42
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FILE 'REGISTRY' ENTERED AT 10:15:31 ON 30 DEC 2008

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 29 DEC 2008 HIGHEST RN 1091682-77-7
DICTIONARY FILE UPDATES: 29 DEC 2008 HIGHEST RN 1091682-77-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

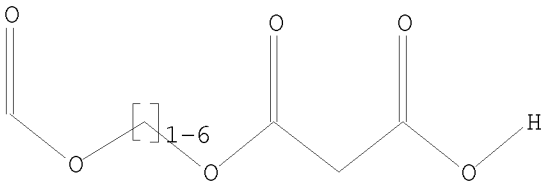
REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10531382\10531382 carbonyloxyalkyl esters.str

L1   STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1   STR



Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 10:16:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   1768 TO ITERATE

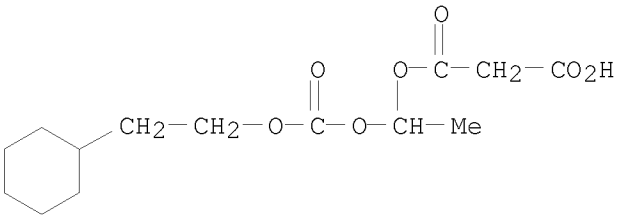
100.0% PROCESSED   1768 ITERATIONS   2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 32838 TO   37882
PROJECTED ANSWERS: 2 TO   124

L2   2 SEA SSS SAM L1

=> d scan

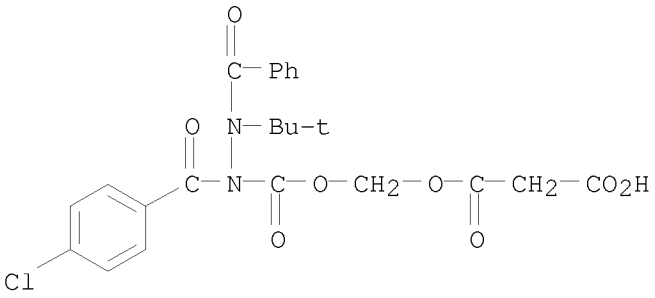
L2 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[1-[[(2-cyclohexylethoxy)carbonyl]oxy]ethyl] ester
MF C14 H22 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

L2 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[[[[2-benzoyl-1-(4-chlorobenzoyl)-2-(1,1-
    dimethylethyl)hydrazinyl]carbonyl]oxy]methyl] ester
MF C23 H23 Cl N2 O8
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

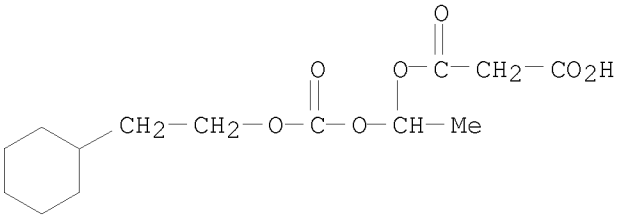
=> search l1 sss full
FULL SEARCH INITIATED 10:17:23 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 34586 TO ITERATE

100.0% PROCESSED 34586 ITERATIONS 40 ANSWERS
SEARCH TIME: 00.00.01

L3 40 SEA SSS FUL L1

=> d scan

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[1-[[(2-cyclohexylethoxy)carbonyl]oxy]ethyl] ester
MF C14 H22 O7

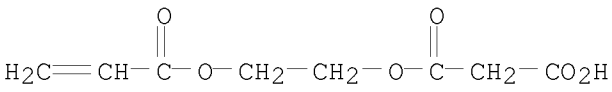


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):40

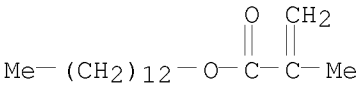
L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2-Propenoic acid, 2-methyl-, tridecyl ester, polymer with dodecyl
    2-propenoate and 2-hydroxyethyl 2-propenoate,
    2-[(1-oxo-2-propenyl)oxy]ethyl propanedioate (9CI)
MF (C17 H32 O2 . C15 H28 O2 . C5 H8 O3)x . x C8 H10 O6

    CM 1

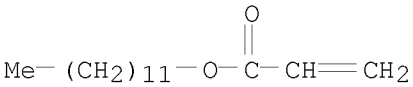


    CM 2

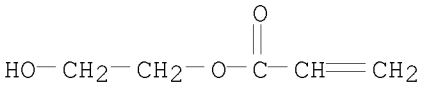
        CM 3



        CM 4

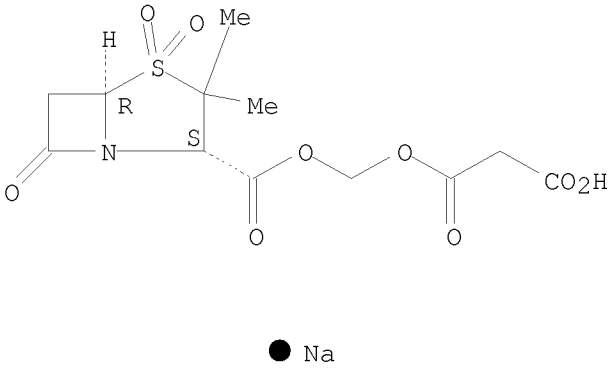


CM 5

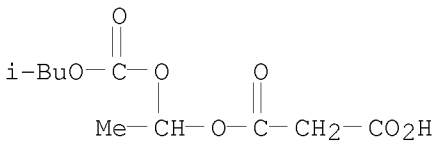


L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, mono[[[(3,3-dimethyl-4,4-dioxido-7-oxo-4-thia-1-azabicyclo[3.2.0]hept-2-yl)carbonyl]oxy]methyl] ester, sodium salt, (2S-cis)- (9CI)
MF C12 H15 N O9 S . Na

Absolute stereochemistry.

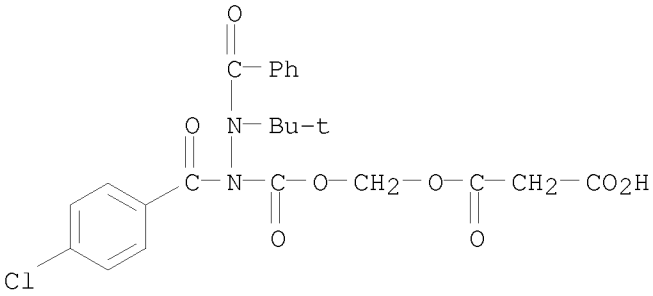


L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[1-[[(2-methylpropoxy)carbonyl]oxy]ethyl] ester
MF C10 H16 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

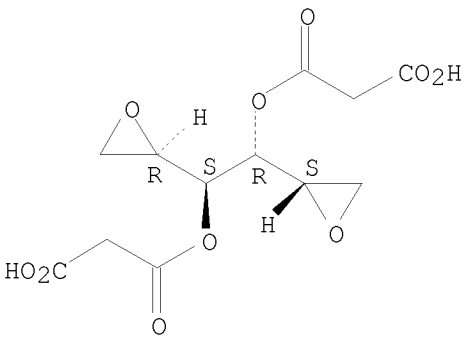
L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[[[[2-benzoyl-1-(4-chlorobenzoyl)-2-(1,1-dimethylethyl)hydrazinyl]carbonyl]oxy]methyl] ester
MF C23 H23 Cl N2 O8
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

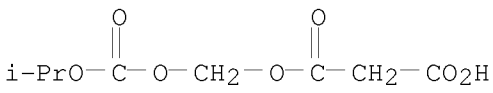
L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Galactitol, 1,2:5,6-dianhydro-, bis(hydrogen propanedioate) (9CI)
MF C12 H14 O10

Relative stereochemistry.



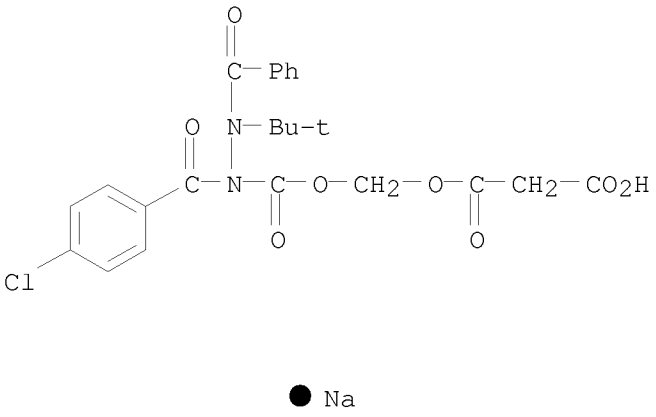
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[[[(1-methylethoxy)carbonyl]oxy]methyl] ester
MF C8 H12 O7



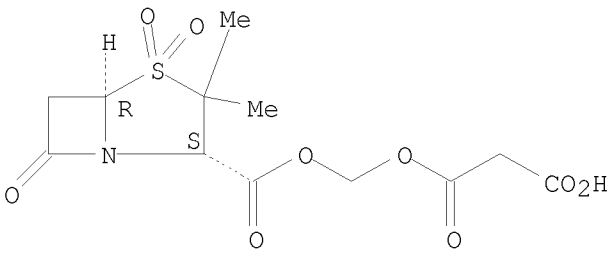
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[[[[2-benzoyl-1-(4-chlorobenzoyl)-2-(1,1-dimethylethyl)hydrazinyl]carbonyl]oxy]methyl] ester, sodium salt (1:1)
MF C23 H23 Cl N2 O8 . Na



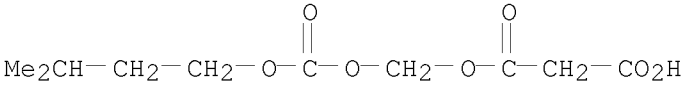
L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, mono[[[(3,3-dimethyl-4,4-dioxido-7-oxo-4-thia-1-azabicyclo[3.2.0]hept-2-yl)carbonyl]oxy]methyl] ester, (2S-cis)- (9CI)
MF C12 H15 N O9 S
CI COM

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

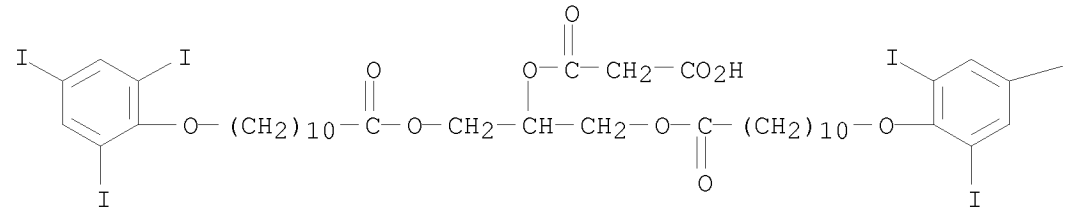
L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[[[(3-methylbutoxy)carbonyl]oxy]methyl] ester
MF C10 H16 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[[1-oxo-11-(2,4,6-triiodophenoxy)undecyl]oxy]-1-[[[1-oxo-11-(2,4,6-triiodophenoxy)undecyl]oxy]methyl]ethyl] ester
MF C40 H52 I6 O10

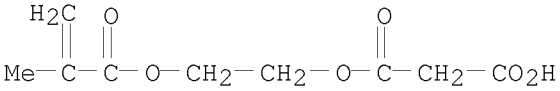
PAGE 1-A



PAGE 1-B

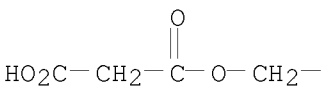
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl] ester
MF C9 H12 O6
CI COM



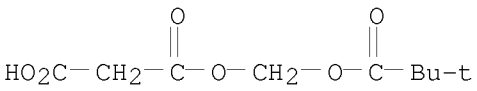
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[(3-methyl-1-oxobutoxy)methyl] ester
MF C9 H14 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

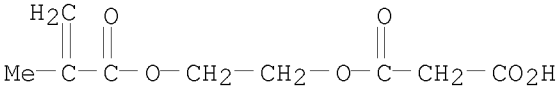
L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[(2,2-dimethyl-1-oxopropoxy)methyl] ester
MF C9 H14 O6



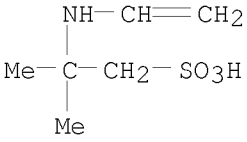
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, mono[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl] ester, polymer with 2-(ethenylamino)-2-methyl-1-propanesulfonic acid and methyl 2-propenoate (9CI)
MF (C9 H12 O6 . C6 H13 N O3 S . C4 H6 O2)x
CI PMS

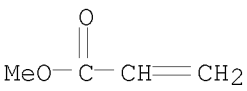
CM 1



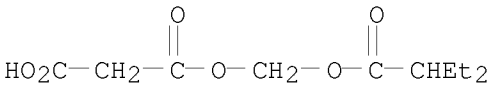
CM 2



CM 3

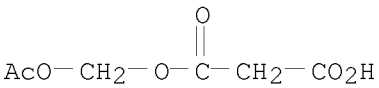


L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[(2-ethyl-1-oxobutoxy)methyl] ester
MF C10 H16 O6



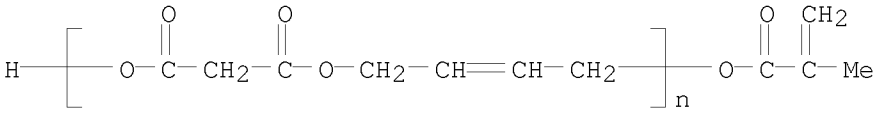
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[(acetyloxy)methyl] ester
MF C6 H8 O6



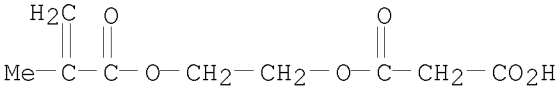
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Poly[oxy(1,3-dioxo-1,3-propanediyl)oxy-2-butene-1,4-diyl], α-hydro-ω-[(2-methyl-1-oxo-2-propenyl)oxy]- (9CI)
MF (C7 H8 O4)n C4 H6 O2
CI PMS, COM

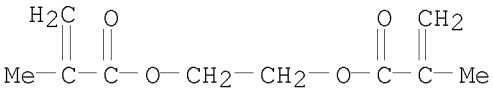


L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, mono[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl] ester, polymer with 1,2-ethanediyl bis(2-methyl-2-propenoate) and methyl 2-methyl-2-propenoate (9CI)
MF (C10 H14 O4 . C9 H12 O6 . C5 H8 O2)x
CI PMS

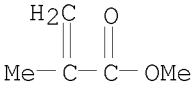
CM 1



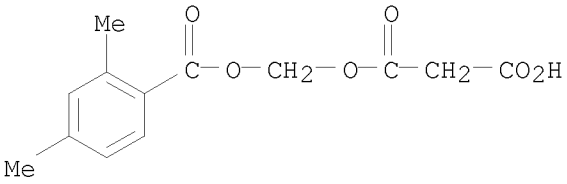
CM 2



CM 3



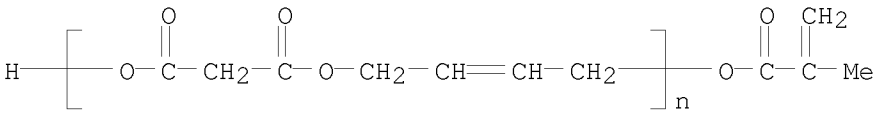
L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[[(2,4-dimethylbenzoyl)oxy]methyl] ester
MF C13 H14 O6



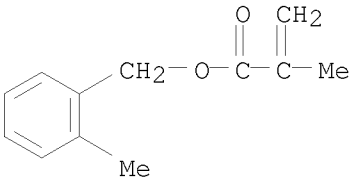
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2-Propenoic acid, 2-methyl-, (2-methylphenyl)methyl ester, polymer with α-hydro-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly[oxy(1,3-dioxo-1,3-propanediyl)oxy-2-butene-1,4-diyl] (9CI)
MF (C12 H14 O2 . (C7 H8 O4)n C4 H6 O2)x
CI PMS

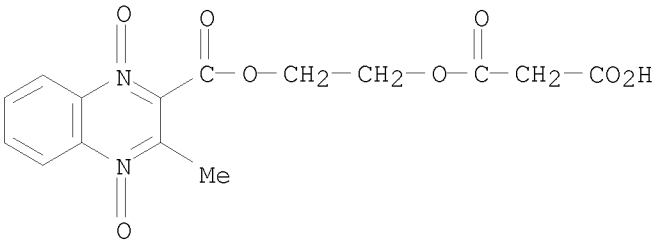
CM 1



CM 2

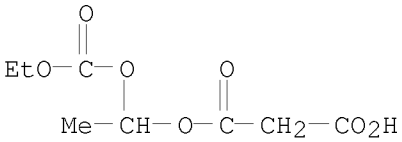


L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[[(3-methyl-1,4-dioxido-2-quinoxalinyl)carbonyl]oxy]ethyl] ester
MF C15 H14 N2 O8
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[1-[(ethoxycarbonyl)oxy]ethyl] ester
MF C8 H12 O7

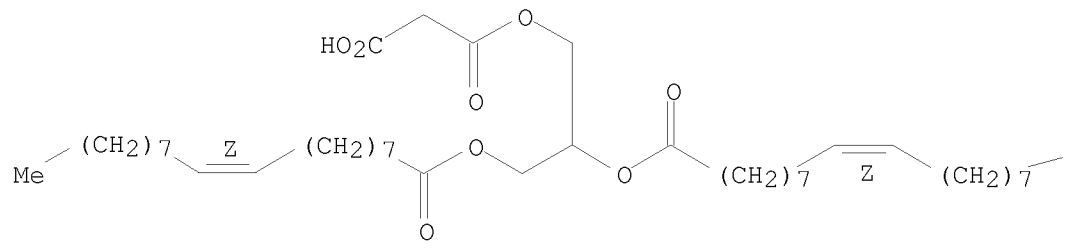


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2,3-bis[[(9Z)-1-oxo-9-octadecen-1-yl]oxy]propyl] ester
MF C42 H74 O8

Double bond geometry as shown.

PAGE 1-A

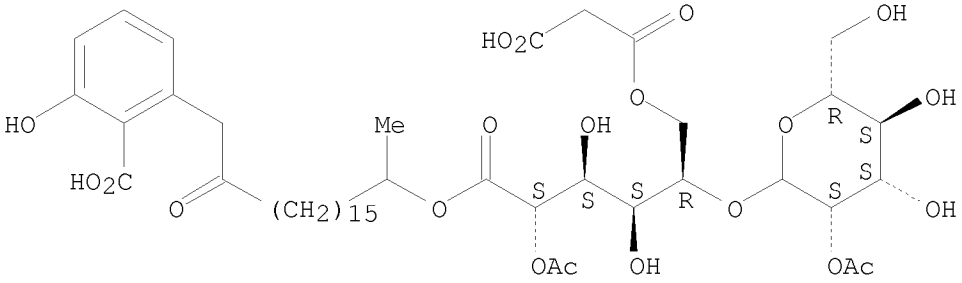


PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Mannonic acid, 5-O-(2-O-acetyl-D-mannopyranosyl)-, 18-(2-carboxy-3-hydroxyphenyl)-1-methyl-17-oxooctadecyl ester, 2-acetate 6-(hydrogen propanedioate)
MF C45 H68 O21

Absolute stereochemistry. Rotation (-).
Currently available stereo shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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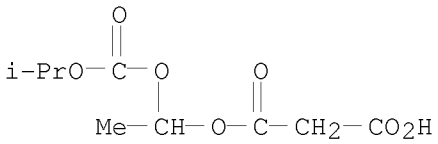
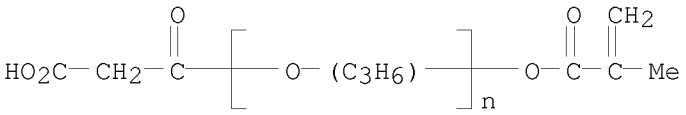
IN Propanedioic acid, 1-[1-[[(1-methylethoxy)carbonyl]oxy]ethyl] ester
MF C9 H14 O7

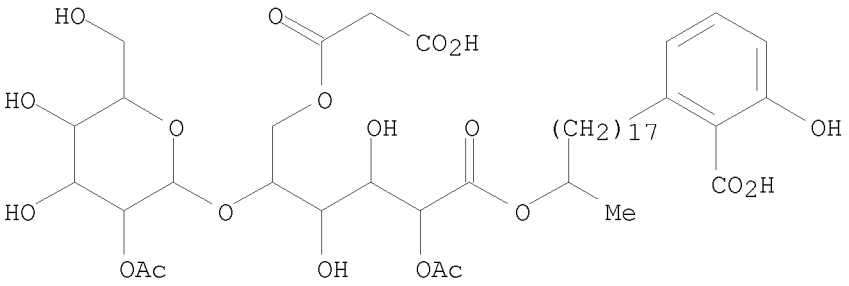


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Poly[oxy(methyl-1,2-ethanediyl)], α-(carboxyacetyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]- (9CI)
MF (C3 H6 O)n C7 H8 O5
CI IDS, PMS, COM

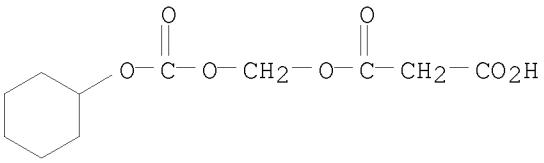


L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Hexonic acid, 5-O-(2-O-acetylhexopyranosyl)-, 18-(2-carboxy-3-hydroxyphenyl)-1-methyloctadecyl ester, 2-acetate 6-(hydrogen propanedioate) (9CI)
MF C45 H70 O20



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

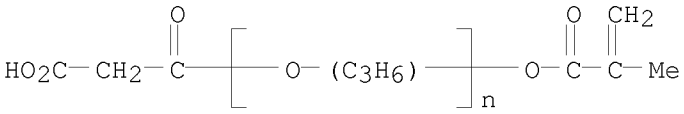
L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[[[(cyclohexyloxy)carbonyl]oxy]methyl] ester
MF C11 H16 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Poly[oxy(methyl-1,2-ethanediyl)], α-(carboxyacetyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]-, polymer with ethenylbenzene (9CI)
MF (C8 H8 . (C3 H6 O)n C7 H8 O5)x
CI PMS

CM 1



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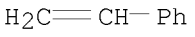
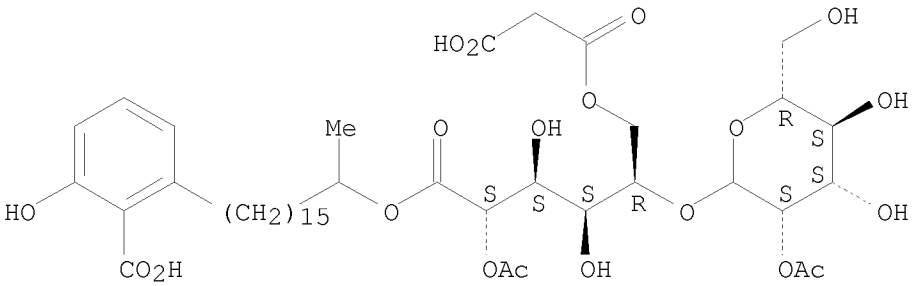


L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Mannonic acid, 5-O-(2-O-acetyl-D-mannopyranosyl)-, 16-(2-carboxy-3-hydroxyphenyl)-1-methylhexadecyl ester, 2-acetate 6-(hydrogen propanedioate)
MF C43 H66 O20

Absolute stereochemistry. Rotation (-).
Currently available stereo shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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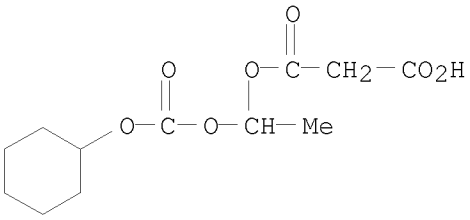
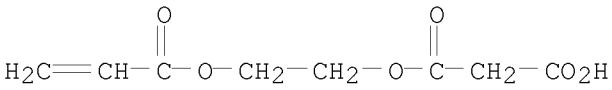
IN Propanedioic acid, 1-[1-[[(cyclohexyloxy)carbonyl]oxy]ethyl] ester
MF C12 H18 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

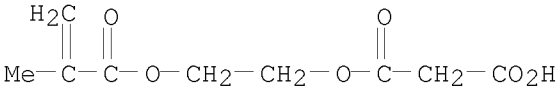
L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl] ester
MF C8 H10 O6
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl] ester, polymer with cyclohexyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate
MF (C10 H16 O2 . C9 H12 O6 . C5 H8 O2)x
CI PMS

CM 1



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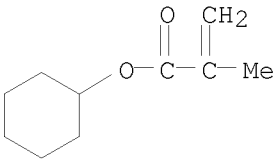

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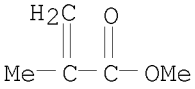
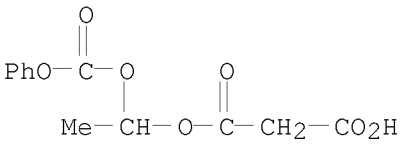


L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[1-[(phenoxycarbonyl)oxy]ethyl] ester
MF C12 H12 O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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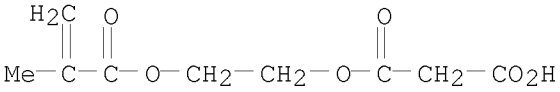
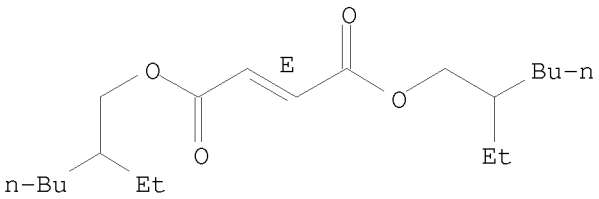
IN 2-Butenedioic acid (2E)-, bis(2-ethylhexyl) ester, polymer with ethenylbenzene, 2,5-furandione and 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl hydrogen propanedioate (9CI)
MF (C20 H36 O4 . C9 H12 O6 . C8 H8 . C4 H2 O3)x
CI PMS

CM 1

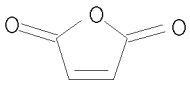


CM 2

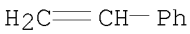
Double bond geometry as shown.



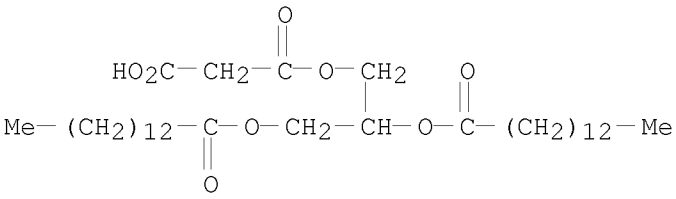
CM 3



CM 4

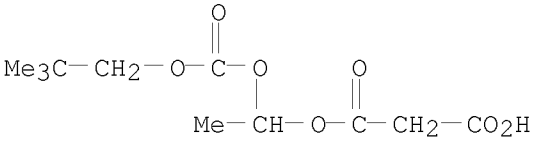


L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2,3-bis[(1-oxotetradecyl)oxy]propyl] ester
MF C34 H62 O8



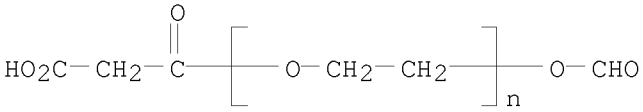
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[1-[[(2,2-dimethylpropoxy)carbonyl]oxy]ethyl] ester
MF C11 H18 O7

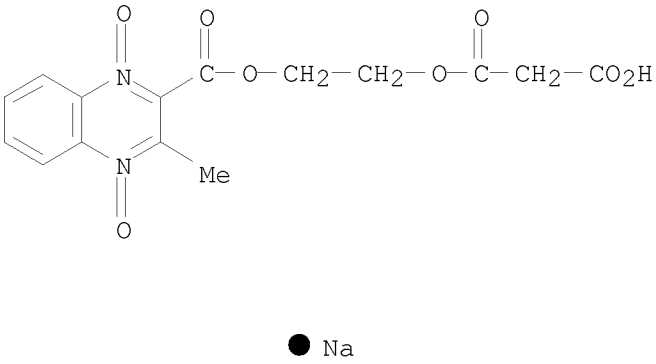


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Poly(oxy-1,2-ethanediyl), α-(carboxyacetyl)-ω-(formyloxy)-
    (9CI)
MF (C2 H4 O)n C4 H4 O5
CI PMS



L3 40 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[[(3-methyl-1,4-dioxido-2-
    quinoxalinyl)carbonyl]oxy]ethyl] ester, sodium salt (1:1)
MF C15 H14 N2 O8 . Na



ALL ANSWERS HAVE BEEN SCANNED

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COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 181.12 181.54

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FILE COVERS 1907 - 30 Dec 2008 VOL 150 ISS 1
FILE LAST UPDATED: 29 Dec 2008 (20081229/ED)

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=> l3
L4 26 L3

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ALONREFS IS NOT A VALID SAVED NAME
Enter the name you wish to use for the saved query,
answer set, or L-number list. The name must:
1. Begin with a letter,
2. Have 1-12 characters,
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4. End with /Q for a query (search profile, structure, or screen set), /A for an answer set, or /L for an L-number list.
5. Not already be in use as a saved name,
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ENTER NAME OR (END):end

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ANSWER SET L4 HAS BEEN SAVED AS 'MALONREFS/A'

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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DICTIONARY FILE UPDATES: 29 DEC 2008 HIGHEST RN 1091682-77-7

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http://www.cas.org/support/stngen/stndoc/properties.html

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E2            1     PROPANEDIOIC ACID, 1-(1-(((1-METHYLETHOXY)CARBONYL)OXY)ETHYL
                    ) ESTER/CN
E3            1 --> PROPANEDIOIC ACID, 1-(1-(((2,2-DIMETHYLPROPOXY)CARBONYL)OXY)
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E11           1     PROPANEDIOIC ACID, 1-(1-((PHENOXYCARBONYL)OXY)ETHYL) ESTER/C
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=> d l5

L5   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2008 ACS on STN
RN   683251-37-8  REGISTRY
ED   Entered STN:  19 May 2004
CN   Propanedioic acid, 1-[1-[[(2,2-dimethylpropoxy)carbonyl]oxy]ethyl]
     ester  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Propanedioic acid, mono[1-[[(2,2-dimethylpropoxy)carbonyl]oxy]ethyl] ester
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SR   CA
LC   STN Files:   CA, CAPLUS
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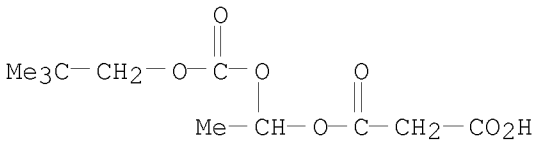

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 8.99 | 192.45

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=> l5
L6 1 L5

=> d l6 ti fbib abs

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN
TI Process for preparation of malonic acid monoesters
AN 2004:354912 CAPLUS <<LOGINID::20081230>>
DN 140:374903
TI Process for preparation of malonic acid monoesters
IN Sawabe, Takehiko; Aihara, Kazuhiro; Atsumi, Kunio; Ajito, Keiichi
PA Meiji Seika Kaisha, Ltd., Japan
SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004035540	A1	20040429	WO 2003-JP13319	20031017

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PATENT FAMILY INFORMATION:
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            LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
            OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
            TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
            KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
            FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
            BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
                                           JP 2002-304630      A  20021018
    AU 2003301425        A1    20040504    AU 2003-301425         20031017
                                           JP 2002-304630      A  20021018
                                           WO 2003-JP13318     W  20031017
OS   MARPAT 140:374903
AB   This invention pertains to a method for producing malonic acid monoesters
     with general formula of HO2CCH2CO2R [where R = a group which is easily
     hydrolyzed in vivo] or salts, which comprises reacting malonic acid with a
     halide in the presence of a base.  For example, acetoxymethyl bromide was
     reacted with malonic acid in THF in the presence of
     N,N-diisopropylethylamine to give malonic acid mono-acetoxymethyl ester.
     This invention provides a method to make malonic acid monoesters with low
     cost.
RE.CNT  2     THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> sel l5 rn
NO ANSWERS SELECTED.  THE ANSWER SET WAS CREATED IN FILE 'REGISTRY'.
USE THE FILE COMMAND TO CHANGE TO THE CORRECT FILE.
An answer set can be processed to create terms only
in the same file in which it was created.
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=> sel l6 rn
E1 THROUGH E44 ASSIGNED

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      11.97     204.42

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -0.80      -0.80

FILE 'REGISTRY' ENTERED AT 10:26:51 ON 30 DEC 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   29 DEC 2008  HIGHEST RN 1091682-77-7
DICTIONARY FILE UPDATES:  29 DEC 2008  HIGHEST RN 1091682-77-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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=> d his

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L2           2 SEARCH L1 SSS SAM
L3          40 SEARCH L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 10:19:51 ON 30 DEC 2008
L4          26 L3
               SAVE TEMP L4 MALONREFS/A

     FILE 'REGISTRY' ENTERED AT 10:22:15 ON 30 DEC 2008
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L5           1 E3

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L6           1 L5
               SEL L6 RN

     FILE 'REGISTRY' ENTERED AT 10:26:51 ON 30 DEC 2008
L7          44 S E1-E44

=> l3 not l7
L8          25 L3 NOT L7

=> d scan

L8   25 ANSWERS   REGISTRY  COPYRIGHT 2008 ACS on STN
IN   Poly[oxy(methyl-1,2-ethanediyl)], α-(carboxyacetyl)-ω-[(2-
     methyl-1-oxo-2-propenyl)oxy]-, polymer with ethenylbenzene (9CI)
MF   (C8 H8 . (C3 H6 O)n C7 H8 O5)x
CI   PMS

     CM   1
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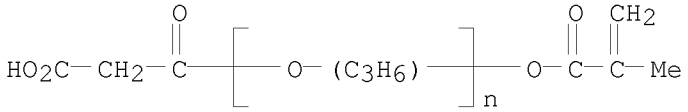
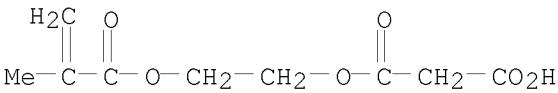


CM 2

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):25

L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, mono[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl] ester, polymer with 1,2-ethanediyl bis(2-methyl-2-propenoate) and methyl 2-methyl-2-propenoate (9CI)
MF (C10 H14 O4 . C9 H12 O6 . C5 H8 O2)x
CI PMS

CM 1



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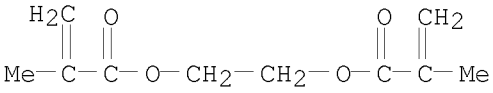

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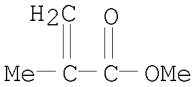
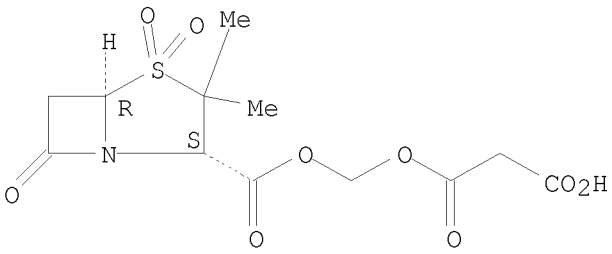
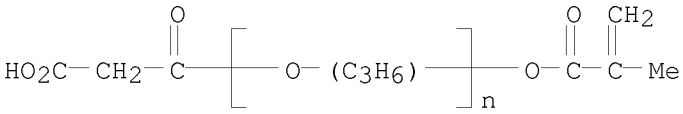


L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, mono[[[(3,3-dimethyl-4,4-dioxido-7-oxo-4-thia-1-azabicyclo[3.2.0]hept-2-yl)carbonyl]oxy]methyl] ester, sodium salt, (2S-cis)- (9CI)
MF C12 H15 N O9 S . Na

Absolute stereochemistry.

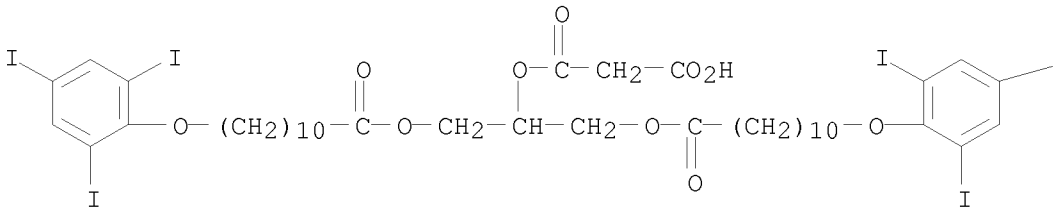


L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Poly[oxy(methyl-1,2-ethanediyl)], α-(carboxyacetyl)-ω-[(2-methyl-1-oxo-2-propenyl)oxy]- (9CI)
MF (C3 H6 O)n C7 H8 O5
CI IDS, PMS, COM



L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[[1-oxo-11-(2,4,6-triiodophenoxy)undecyl]oxy]-1-[[[1-oxo-11-(2,4,6-triiodophenoxy)undecyl]oxy]methyl]ethyl] ester
MF C40 H52 I6 O10

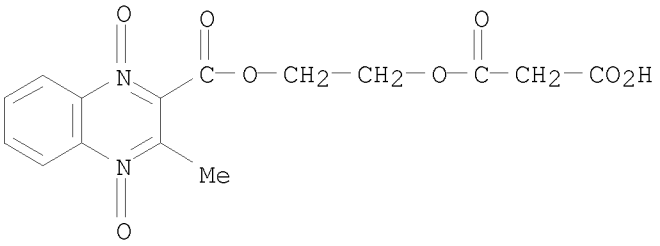
PAGE 1-A



PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

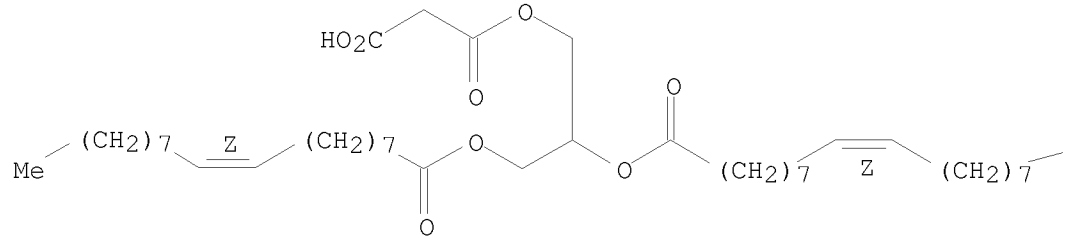
L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[[(3-methyl-1,4-dioxido-2-quinoxalinyl)carbonyl]oxy]ethyl] ester, sodium salt (1:1)
MF C15 H14 N2 O8 . Na



L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2,3-bis[[(9Z)-1-oxo-9-octadecen-1-yl]oxy]propyl] ester
MF C42 H74 O8

Double bond geometry as shown.

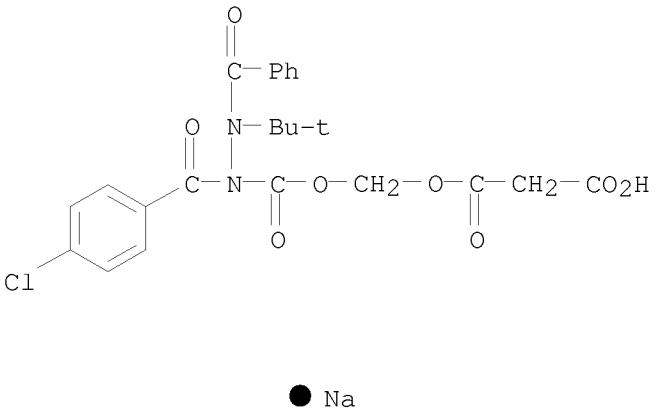
PAGE 1-A



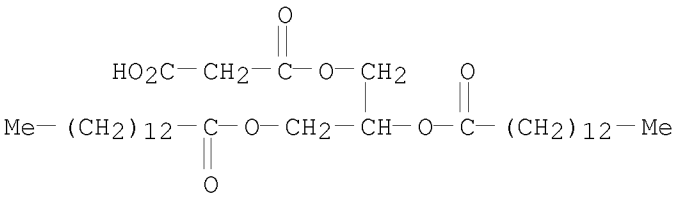
PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[[[[2-benzoyl-1-(4-chlorobenzoyl)-2-(1,1-dimethylethyl)hydrazinyl]carbonyl]oxy]methyl] ester, sodium salt (1:1)
MF C23 H23 Cl N2 O8 . Na



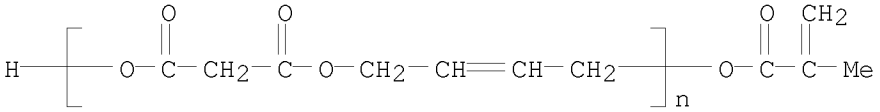
L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2,3-bis[(1-oxotetradecyl)oxy]propyl] ester
MF C34 H62 O8



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2-Propenoic acid, 2-methyl-, (2-methylphenyl)methyl ester, polymer with α-hydro-ω-[(2-methyl-1-oxo-2-propenyl)oxy]poly[oxy(1,3-dioxo-1,3-propanediyl)oxy-2-butene-1,4-diyl] (9CI)
MF (C12 H14 O2 . (C7 H8 O4)n C4 H6 O2)x
CI PMS

CM 1



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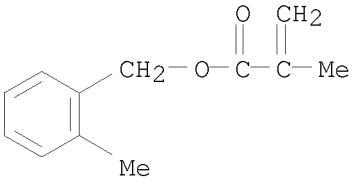
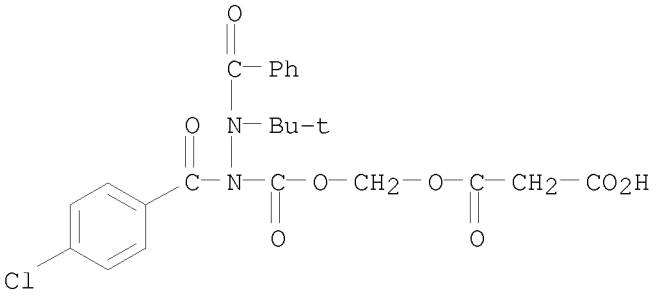


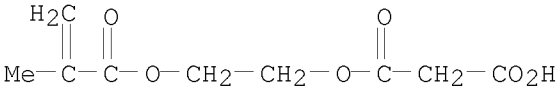
L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[[[[2-benzoyl-1-(4-chlorobenzoyl)-2-(1,1-dimethylethyl)hydrazinyl]carbonyl]oxy]methyl] ester
MF C23 H23 Cl N2 O8
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl] ester, polymer with cyclohexyl 2-methyl-2-propenoate and methyl 2-methyl-2-propenoate
MF (C10 H16 O2 . C9 H12 O6 . C5 H8 O2)x
CI PMS

CM 1



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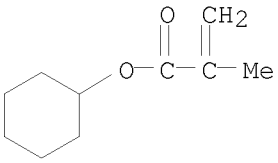

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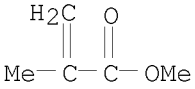
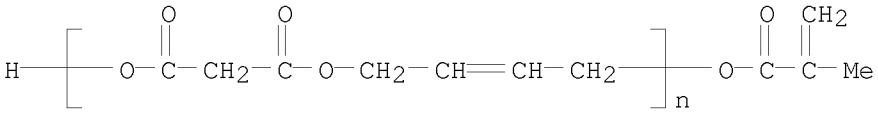
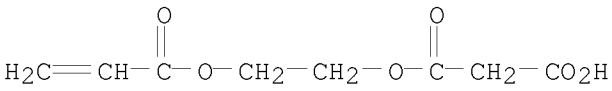


L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Poly[oxy(1,3-dioxo-1,3-propanediyl)oxy-2-butene-1,4-diyl], α-hydro-ω-[(2-methyl-1-oxo-2-propenyl)oxy]- (9CI)
MF (C7 H8 O4)n C4 H6 O2
CI PMS, COM



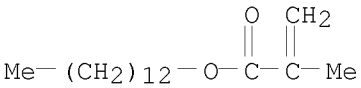
L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2-Propenoic acid, 2-methyl-, tridecyl ester, polymer with dodecyl 2-propenoate and 2-hydroxyethyl 2-propenoate, 2-[(1-oxo-2-propenyl)oxy]ethyl propanedioate (9CI)
MF (C17 H32 O2 . C15 H28 O2 . C5 H8 O3)x . x C8 H10 O6

CM 1



CM 2

CM 3



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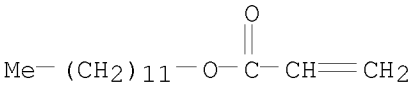

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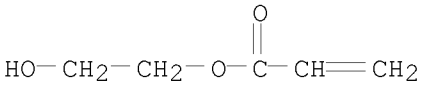
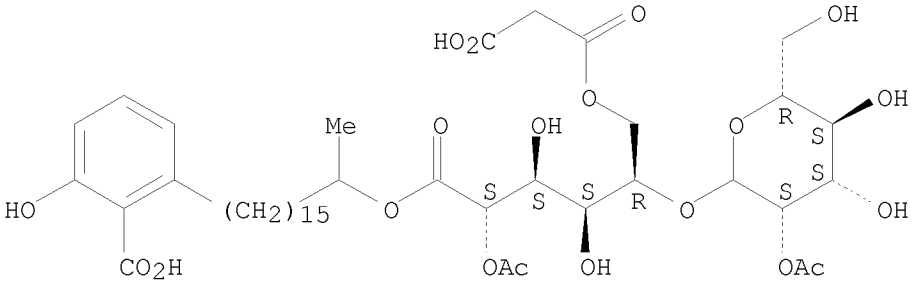


L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Mannonic acid, 5-O-(2-O-acetyl-D-mannopyranosyl)-, 16-(2-carboxy-3-hydroxyphenyl)-1-methylhexadecyl ester, 2-acetate 6-(hydrogen propanedioate)
MF C43 H66 O20

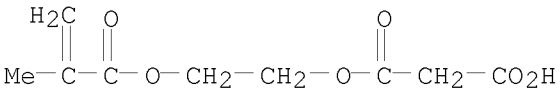
Absolute stereochemistry. Rotation (-).
Currently available stereo shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, mono[2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl] ester, polymer with 2-(ethenylamino)-2-methyl-1-propanesulfonic acid and methyl 2-propenoate (9CI)
MF (C9 H12 O6 . C6 H13 N O3 S . C4 H6 O2)x
CI PMS

CM 1



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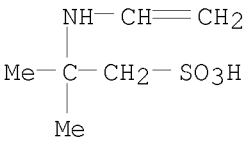

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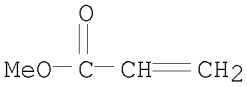
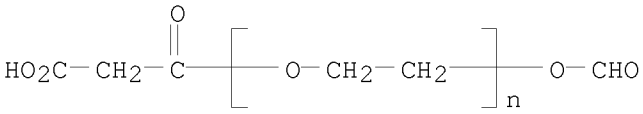
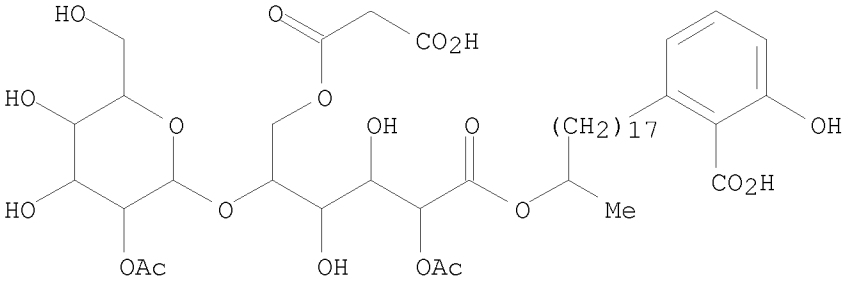


L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Poly(oxy-1,2-ethanediyl), α-(carboxyacetyl)-ω-(formyloxy)-
(9CI)
MF (C2 H4 O)n C4 H4 O5
CI PMS

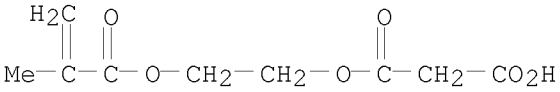


L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Hexonic acid, 5-O-(2-O-acetylhexopyranosyl)-,
18-(2-carboxy-3-hydroxyphenyl)-1-methyloctadecyl ester, 2-acetate
6-(hydrogen propanedioate) (9CI)
MF C45 H70 O20



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

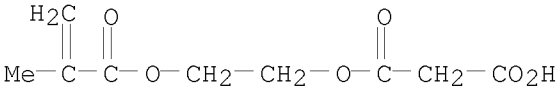
L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[(2-methyl-1-oxo-2-propen-1-yl)oxy]ethyl] ester
MF C9 H12 O6
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

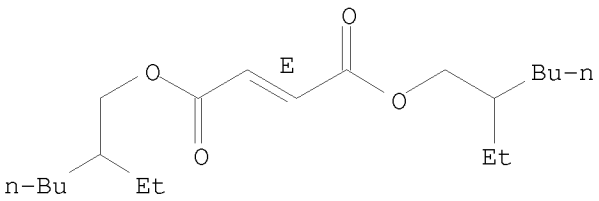
L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 2-Butenedioic acid (2E)-, bis(2-ethylhexyl) ester, polymer with ethenylbenzene, 2,5-furandione and 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl hydrogen propanedioate (9CI)
MF (C20 H36 O4 . C9 H12 O6 . C8 H8 . C4 H2 O3)x
CI PMS

CM 1

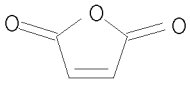


CM 2

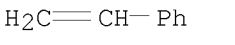
Double bond geometry as shown.



CM 3

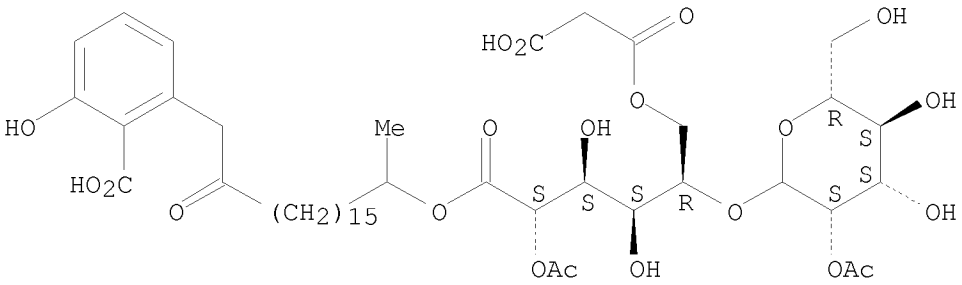


CM 4



L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN D-Mannonic acid, 5-O-(2-O-acetyl-D-mannopyranosyl)-, 18-(2-carboxy-3-hydroxyphenyl)-1-methyl-17-oxooctadecyl ester, 2-acetate 6-(hydrogen propanedioate)
MF C45 H68 O21

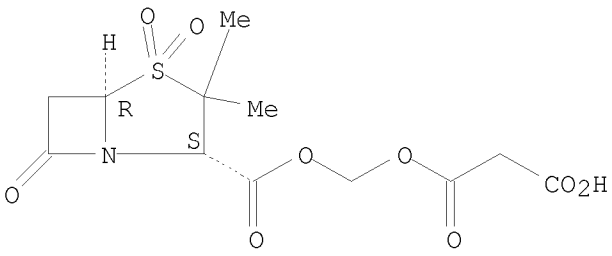
Absolute stereochemistry. Rotation (-).
Currently available stereo shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, mono[[[(3,3-dimethyl-4,4-dioxido-7-oxo-4-thia-1-azabicyclo[3.2.0]hept-2-yl)carbonyl]oxy]methyl] ester, (2S-cis)- (9CI)
MF C12 H15 N O9 S
CI COM

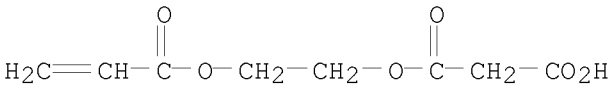
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

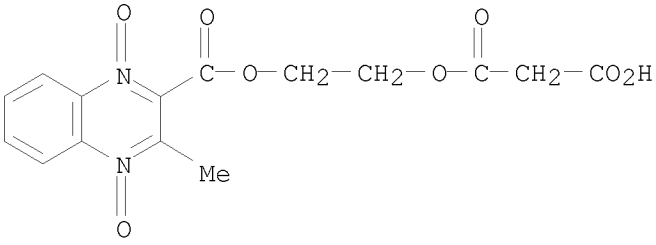
L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[(1-oxo-2-propen-1-yl)oxy]ethyl] ester

MF C8 H10 O6
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

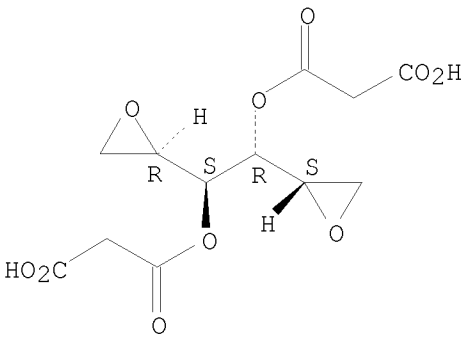
L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Propanedioic acid, 1-[2-[[(3-methyl-1,4-dioxido-2-quinoxalinyl)carbonyl]oxy]ethyl] ester
MF C15 H14 N2 O8
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 25 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Galactitol, 1,2:5,6-dianhydro-, bis(hydrogen propanedioate) (9CI)
MF C12 H14 O10

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> logoff hold
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 3.22 | 207.64

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION
CA SUBSCRIBER PRICE | 0.00 | -0.80

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:30:58 ON 30 DEC 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 11:24:17 ON 30 DEC 2008
FILE 'REGISTRY' ENTERED AT 11:24:17 ON 30 DEC 2008
COPYRIGHT (C) 2008 American Chemical Society (ACS)

COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 3.22 | 207.64

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION
CA SUBSCRIBER PRICE | 0.00 | -0.80

=> file reg
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 3.68 | 208.10

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION
CA SUBSCRIBER PRICE | 0.00 | -0.80

FILE 'REGISTRY' ENTERED AT 11:25:07 ON 30 DEC 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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STRUCTURE FILE UPDATES: 29 DEC 2008 HIGHEST RN 1091682-77-7
DICTIONARY FILE UPDATES: 29 DEC 2008 HIGHEST RN 1091682-77-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

  Please note that search-term pricing does apply when
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on property searching in REGISTRY, refer to:

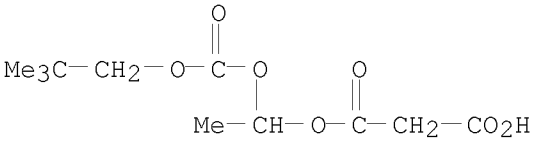
http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10531382\10531382 phthalidyl.str

L9   STRUCTURE UPLOADED

=> d l5

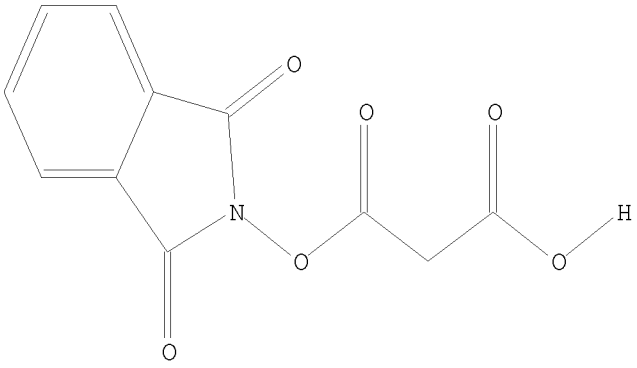
L5   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN
RN   683251-37-8 REGISTRY
ED   Entered STN: 19 May 2004
CN   Propanedioic acid, 1-[1-[[(2,2-dimethylpropoxy)carbonyl]oxy]ethyl]
     ester (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Propanedioic acid, mono[1-[[(2,2-dimethylpropoxy)carbonyl]oxy]ethyl] ester
     (9CI)
MF   C11 H18 O7
SR   CA
LC   STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

               1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d l9
L9 HAS NO ANSWERS
L9   STR



Structure attributes must be viewed using STN Express query preparation.

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=> search l9 sss sam
SAMPLE SEARCH INITIATED 11:25:58 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       83 TO ITERATE

100.0% PROCESSED       83 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         1114 TO     2206
PROJECTED ANSWERS:               0 TO        0

L10           0 SEA SSS SAM L9

=> search l9 sss full
FULL SEARCH INITIATED 11:26:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     1151 TO ITERATE

100.0% PROCESSED     1151 ITERATIONS                              0 ANSWERS
SEARCH TIME: 00.00.01

L11           0 SEA SSS FUL L9

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     185.88     393.98

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00      -0.80

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:32:47 ON 30 DEC 2008
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